



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

October 28, 2005

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 191003-2029
ATTN: James W. Hagedorn

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Steve Hepler

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 05-0206
ACHD Reference Number: 6901
#20 Battery Igniter Flare
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

Anton Lukac
Plant Manager
Clairton Works

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Air Protection Division (3AP12)

NOTICE OF BREAKDOWN OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 05-0206
ACHD Reference Number: 6901
2. **Date & Time of Breakdown:** Date: 10/26/05 Time: 1415 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** #20 Battery Igniter Flare
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** Coke oven gas was flared on #20 Battery when a line leading to the auto mercoid switch became partially plugged and allowed the igniter flare to open. The mercoid switch failed during this incident and the flare was closed manually.

Date	Battery	Start Time	End Time	Duration		Flared Yes No
				Min.	Sec.	
10/26/05	20	14:15	14:23	08	00	Yes

8. **Identification of Emissions:**

- A. **Type(s)** (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Released products of combustion of Coke Oven Gas.
- B. **Toxic qualities of each type** (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). Eye, Nose and Throat Irritant.
- C. **Amount of each type emitted (or likely to be emitted).**

Chemical	Quantity Released (lbs)
CO	128
NO _x	24
SO ₂	654
VOC	18

9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**
The plugged line was cleared and the mercoid switch was replaced.
10. **Facility back in operation -** Date: 10/26/05 Time: 1500 hours

Signature

Coleen M. Davis
Coleen M. Davis

Date 10/28/05

Senior Environmental Control Engineer Phone: 233-1015